

Accounting**ACCT&203 Prin of Accounting III 5**

Lab Fee: \$10.00

An introduction to managerial accounting concepts and principles, job order and process cost systems, cost-volume-profit analysis, budgeting, variances and standard costs, performance analysis for decentralized operations, differential analysis, product pricing, and capital investment analysis. This course is the third in a three-course series designed for all accounting and business majors. Prerequisite: ACCT& 202. SE

1020 OL1 ARR ARR WILKS P

Start & end date: 07/01/15 to 08/26/15

Online fee is \$10.

Art**ART& 100 Art Appreciation 5**

Lab Fee: \$10.00

Art is a visual language which artists use to record and interpret life experiences. The messages artists share are personal and social records. The ability to understand and appreciate visual art is a skill you can develop through observation and study and one you can utilize throughout your life. We will cover a general overview of artists' materials and techniques as well as historical context with lectures, slides, movies, and experiments with art media. Open to all students. HU

1208 OL1 ARR ARR PALKOVIC F

Online fee is \$10.

ART 230 Painting/Drawing Workshop 5

Lab Fee: \$8.00

A workshop class designed to allow experimentation with 2D media such as pencil, charcoal, pastels, watercolor, acrylic paint. Prerequisite: None but studio class such as drawing or painting recommended. HP

1285 01 MTWTh 12:30PM-03:00PM 1906 HAGEL S

Aviation Commercial Pilot**AVF 131 Private Pilot Helicopter (Stage I) 4**

The student will be instructed in the basic flying procedures and skills necessary for the first solo flight in a helicopter. Prerequisite: possess a valid student Pilot Certificate and hold a current medical certificate originally issued as a Class I or II.

1422 01 DAILY ARR 3001 DAVIS H

AVF 132 Private Pilot Helicopter Stage 2 4

The student will continue development of flying skills to include solo flight, confined area operations, slope operations, night flying, and cross country navigation in a helicopter. Prerequisite: AVF 131

1423 01 DAILY ARR 3001 DAVIS H

AVF 133 Private Pilot Helicopter Stage 3 4

The student shall gain proficiency and skill in maneuvers and navigation to the level of the Private Pilot Helicopter Practical Test standards, and will complete certification requirements of the Private Pilot Certificate - Helicopter. Prerequisite: AVF 132

1424 01 DAILY ARR 3001 DAVIS H

AVF 141 Private Pilot Flight (Stage 1) 4

Scheduled flight time, ground critique, discussions, and observation time; both dual and solo flights. Instrument flight training is integrated with all phases of flying. Includes simulator time.

1425 01 DAILY ARR 3001 STAFF

AVF 142 Private Pilot Flight (Stage 2) 4

Scheduled flight time, ground critique, discussions, and observation time; both dual and solo flights. Instrument flight training is integrated with all phases of flying. Includes simulator time. Prerequisite: AVF 141

1429 01 DAILY ARR 3001 STAFF

AVF 143 Private Pilot Flight (Stage 3) 4

Scheduled flight time, ground critique, discussions and observation time; both dual and solo flights. Instrument flight training is integrated with all phases of flying. Includes simulator time. Prerequisite: AVF 142

1433 01 DAILY ARR 3001 STAFF

AVF 190 Flight (Alternate) 0- 4

Provides additional aircraft flight time to allow the student additional time to increase his/her skill or complete a course of study. Includes flight time and follow-up critique. Prerequisite: AVF 141

1438 01 DAILY ARR 3001 STAFF

AVF 231 Commercial Pilot Helicopter (Stage 4) 4

The student shall gain proficiency and skill in commercial pilot scenarios and build additional cross country flight experience in a helicopter Prerequisite(s): Concurrent enrollment in instrument and commercial course required. Students enrolling in this flight course must possess a valid private pilot certificate rotorcraft-helicopter and hold a current medical certificate originally issued as a class I or II.

1468 01 DAILY ARR 3001 DAVIS H

AVF 232 Commercial Pilot Helicopter (Stage 5) 4

The student will continue to develop the aeronautical skill and experience necessary to meet the requirements for the Commercial Pilot Certificate with a Rotorcraft category rating. Prerequisite: AVF 231

1469 01 DAILY ARR 3001 DAVIS H

AVF 251 Commercial Pilot Flight (Stage 4) 4

Scheduled flight time, ground critique, discussion and observation time, dual, solo, cross-country, and instrument. Includes simulator time. Prerequisite: AVF 143

1471 01 DAILY ARR 3001 STAFF

AVF 252 Commercial Pilot Flight (Stage 5) 4

Scheduled flight time, ground critique, discussion and observation time; dual, solo, cross-country, instrument, and complex aircraft time. Includes simulator time. Prerequisite: AVF 251

1475 01 DAILY ARR 3001 STAFF

AVF 253 Commercial Pilot Flight (Stage 7) 4

Scheduled flight time, ground critique, discussion and observation time; dual, solo, and cross-country time. Includes 28 hours simulator time upon program completion. Prerequisite: AVF 261

1479 01 DAILY ARR 3001 STAFF

AVF 254 Night Flying 1

Provides an introduction to night flying and advanced instruction in night navigation, procedures, orientation, landings, takeoffs and techniques necessary for safe operation of airplanes at night. Prerequisite: AVF 142

1484 21 MTWTh ARR 3001 STAFF

AVF 261 Instrument Flight (Stage 6) 4

Provides training in instrument flight procedures in preparation for the airplane instrument rating; includes simulator training. Prerequisite: AVF 252

1487 01 DAILY ARR 3001 STAFF

AVF 270 Flight Instructor 4

Preparation for the Certified Flight Instructor rating; includes flight time and critique. Prerequisite: Commercial license and instrument rating and Chief Pilot approval.

1494 01 DAILY ARR 3001 STAFF

AVF 271 Flight Instructor Instrument - Airplane 2

Provides the Flight Instructor applicant with the knowledge, skill and experience necessary to become an Instrument Instructor; includes flight time and critique. Prerequisite: Commercial/Instrument license, CFI single engine license and 10 hours as CFI with FII written passed and Chief Pilot approval.

1495 01 DAILY ARR 3001 STAFF

AVF 272 Seaplane Flight 2

A dual flight lab course designed to develop flight skills in water operations and procedures, along with flight maneuvers in preparation for the FAA Seaplane Rating; includes flight time and critique. Prerequisite: Commercial Pilot Certificate or Chief Pilot approval.

1498 01 DAILY ARR 3001 STAFF

AVF 275 Multi-Engine Flight Lab 2

Preparation for the FAA Multi-Engine rating. Prerequisite: Commercial Pilot Certificate and Chief Pilot approval.

1505 01 DAILY ARR 3001 STAFF

AVF 276 Simulator Training/Instrument Training .5- 1

Designed to fit the individual and particular needs of each pilot in Instrument Training, refresher or FAA currency requirements. Prerequisite: Instructor approval.

1507 01 DAILY ARR 3002 STAFF

AVF 290 Flight (Alternate) 0- 4

Provides additional aircraft flight time to allow the student additional time to increase his/her skill or complete a course of study. Includes flight time and follow-up critique. Prerequisite: AVF 141.

1512 01 DAILY ARR 3001 STAFF

AVF 291 Multi-Engine - Instructor 2

Preparation for the FAA Multi-Engine Flight Instructor rating. Prerequisite: Commercial Airplane with Instrument rating, Multi-Engine Land ratings, Flight Instructor Single Engine.

1518 01 DAILY ARR 3001 STAFF

Aviation Maintenance**AMT 151 Airframe Mechanic I 4-14**

Lab Fee: \$168.00

Variable Credit Lab Fees are calculated at the highest rate

This course will cover aircraft airframe structures, including wood, fabric and sheet metal, airframe inspection, application of finishes and assembly of fixed wing and rotary wing components and structures, balancing and rigging of airframe structures and components. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1564 01 DAILY ARR 3200 MOORE D

AMT 152 Airframe Mechanic II 4-14

Lab Fee: \$168.00

Variable Credit Lab Fees are calculated at the highest rate

This course will cover aircraft airframe systems and components. To provide the skills in checking, overhaul, repairs, installation, removal, servicing, inspection, and troubleshooting of landing gear systems, hydraulic and pneumatic power systems, cabin atmosphere control systems, aircraft instruments, communication and navigation system lab, aircraft fuel systems, aircraft electrical systems, position and warning systems, ice and rain control systems, and fire protection systems. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1568 01 DAILY ARR 3200 MOORE D

AMT 153 Airframe Mechanic III 4-14

Lab Fee: \$168.00

Variable Credit Lab Fees are calculated at the highest rate

As required by the Federal Aviation Administration, the airframe program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. AMT 153 is designed to allow students more time to achieve FAA required proficiency levels and to allow students to further their proficiency levels in aviation airframe related studies. This course will cover any area of the FAA required airframe curriculum that the student is deficient in, or if all required competencies have been met, the student may further their proficiency levels in any airframe related area of study. This course is FAA approved under 14 CFR part 147. Prerequisite: AMT 150, 151, 152, MAP 100 and instructor approval.

1574 01 DAILY ARR 3200 MOORE D

AMT 249 AMT Powerplant Electricity 2

This course covers the theory of engine electrical systems, electrical generators, alternators, motors and regulators. This course is FAA approved under 14 CFR Part 147. Prerequisite: instructor approval.

1578 01 DAILY ARR 3200 MOORE D

AMT 251 Powerplant Mechanics I 4-14

Lab Fee: \$168.00

Variable Credit Lab Fees are calculated at the highest rate

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. There is approximately 30 hours of extra time at the end of the Powerplant program, which is to be used for make-up time or for further competency enhancement. This course is FAA approved under 14 CFR Part 147. This course will cover two areas:

1. Powerplant theory and maintenance, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engines.
2. Powerplant systems and components, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engine instrument, fire protection, electrical, lubrication, ignition, starting, fuel metering, induction, airflow, cooling, exhaust, propellers, unducted fans, and auxiliary power unit systems. Prerequisite: Instructor permission

1584 01 DAILY ARR 3200 MOORE D

AMT 252 Powerplant Mechanics II 4-14

Lab Fee: \$168.00

Variable Credit Lab Fees are calculated at the highest rate

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. There is approximately 30 hours of extra time at the end of the Powerplant program, which is to be used for make-up time or for further competency enhancement. This course is FAA approved under 14 CFR Part 147. This course will cover two areas:

1. Powerplant theory and maintenance, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engines.
2. Powerplant systems and components, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engine instrument, fire protection, electrical, lubrication, ignition, starting, fuel metering, induction, airflow, cooling, exhaust, propellers, unducted fans, and auxiliary power unit systems. Prerequisite: Instructor permission

1588 01 DAILY ARR 3200 MOORE D

AMT 253 Powerplant Mechanics III 4-14

Lab Fee: \$168.00

Variable Credit Lab Fees are calculated at the highest rate

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. There is approximately 30 hours of extra time at the end of the Powerplant program, which is to be used for make-up time or for further competency enhancement. This course is FAA approved under 14 CFR Part 147. This course will cover two areas:

1. Powerplant theory and maintenance, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engines.
2. Powerplant systems and components, including the inspection, repair, overhaul, service, troubleshooting, removal, and installation of aircraft reciprocating and turbine engine instrument, fire protection, electrical, lubrication, ignition, starting, fuel metering, induction, airflow, cooling, exhaust, propellers, unducted fans, and auxiliary power unit systems. Prerequisite: Instructor permission

1594 01 DAILY ARR 3200 MOORE D

AMT 254 Powerplant Mechanic IV 4-14

Lab Fee: \$168.00

Variable Credit Lab Fees are calculated at the highest rate

As required by the Federal Aviation Administration, the Powerplant program is a minimum of 750 hr. of instruction with approximately 25% of the instruction in a class room environment and 75% of the instruction in a lab environment. AMT 254 is designed to allow students more time to achieve FAA required proficiency levels and to allow students to further their proficiency levels in aviation Powerplant related studies. This course will cover any area of the FAA required Powerplant curriculum that the

student is deficient in, or if all required competencies have been met, the student may further their proficiency levels in any Powerplant related area of study. This course is FAA approved under 14 CFR Part 147. Prerequisite: AMT 251, 252, 253 and instructor permission.

1598 01 DAILY ARR 3200 MOORE D

Basic Skills Education

DVS 014 Adult Basic Education Level 4 1- 8

The main goal of this course is to assist students to improve their reading, writing and math skills in order to advance to the next NRS Educational Functional level as determined by the CASAS Levels and to obtain the knowledge and skills necessary for work, further education and family self-sufficiency. Prerequisite: This course is designed for students with a CASAS score between 221-235 in reading or math.

5214 01 MTWTh 08:30AM-11:30AM BORTZ J

To register you must call 509-793-2301 or visit the Opportunity Center.

5530 21 MTW 06:00PM-09:00PM VILLASENOR R

To register you must call 509-793-2301 or visit the Opportunity Center.

Biology

BIOL&100 Survey of Biology 5

Lab Fee: \$18.80

A study of basic biological principles common to living organisms, this course is intended for non-majors who desire a lab science requirement. Topics of study include: scientific thinking, basic chemistry, cell structure and membrane transport, energy and cell pathways, DNA and gene expression, chromosomes and cell division, genes and inheritance, and evolution and natural selection. Related investigations take place in a required two-hour lab period each week. There will be no required dissections in the laboratory. LS

1600 01 DAILY 10:15AM-12:15PM 1250 WHITNEY M

BIOL 104 Core Concepts in Biology 2

Lab Fee: \$10.00

A review of the biological principles common to living organisms, this course is intended for students planning to take BIOL& 211 who have some prior biology background but would like a review of the basic biology concepts. Topics of study include: basic chemistry, macromolecules, cell structure, membrane transport, energy and metabolism, DNA replication, gene expression, cell division, and genetics. Prerequisite: Any prior biology course, high school or college-level, is highly recommended.

1604 01H W 12:30PM-01:45PM 1250 STAFF

Business

BUS 215 Customer Service 3

Lab Fee: \$10.00

This course will provide the student with strategies and skills to effectively meet the needs of customers. The student will be introduced to internal and external customers, to customer satisfaction, to customer retention, and to customer service trends.

1780 OL1 ARR ARR BERRY-GUERIN

Please check Canvas for further instructions. Online fee is \$10.

Business Information Management

BIM 102 Document Formatting 1- 2

Lab Fee: \$18.00

Variable Credit Lab Fees are calculated at the highest rate

This course gives primary emphasis to the formatting of business documents using Microsoft Word. Prerequisite: BIM101 / Keyboarding Skills.

1802 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Please check Canvas for more information. Attendance in Room 1613 is required for all testing. BIM classes end July 30.

BIM 104 Intermediate Keyboarding 1- 3

Lab Fee: \$27.00

Variable Credit Lab Fees are calculated at the highest rate

This course gives emphasis to improving keyboarding speed and accuracy. Prerequisite: BIM 101/Basic Keyboarding Skills

1808 01 MTWTh ARR 1613 BERRY-GUERIN

This is a skills-based class that requires daily attendance. Please check your Canvas class site for more information. Classroom hours Monday-Thursday 9:00 a.m.-2:30 p.m. BIM classes end July 30.

BIM 106 Advanced Keyboarding 1- 3

Lab Fee: \$27.00

Variable Credit Lab Fees are calculated at the highest rate

This course gives emphasis to improving keyboarding speed and accuracy. Prerequisite(s): BIM 104

1815 01 MTWTh ARR 1613 BERRY-GUERIN

This is a skills-based class that requires daily attendance. Please check your Canvas class site for more information. Classroom hours Monday-Thursday 9:00 a.m.-2:30 p.m. BIM classes end July 30.

BIM 109 Internet Communications 1

Lab Fee: \$9.00

This course will introduce the functions of email communications and the fundamental use and sharing of Web Applications.

1822 01 MTWTh ARR 1613 BERRY-GUERIN

Attendance is required daily in Room 1613. Please check your Canvas class site for more information. Classroom hours Monday-Thursday 9:00 a.m. - 2:30 p.m. BIM classes end July 30.

BIM 177 Office Information Management Lab 1- 6

Lab Fee: \$54.00

Variable Credit Lab Fees are calculated at the highest rate

This course allows individual study in one of the business information management subject areas. Study and credit hours determined at the time of enrollment by the instructor. Prerequisite: Instructor Permission.

1865 01 MTWTh ARR 1613 BERRY-GUERIN

BIM 181 Introduction to Microsoft Office: Word 1- 3

Lab Fee: \$27.00

Variable Credit Lab Fees are calculated at the highest rate

This course provides an introduction to Microsoft Word. It is not intended for Business Information Management Program students.

1875 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. Please check your Canvas class site for more information. Classroom hours Monday-Thursday 9:00 a.m.-2:30 p.m. BIM classes end July 30.

BIM 182 Introduction to Microsoft Office: Excel 1- 3

Lab Fee: \$27.00

Variable Credit Lab Fees are calculated at the highest rate

This course provides an introduction to Microsoft Excel. It is not intended for Business Information Management Program students. Prerequisite: Successful completion of MATH94 or BBCC placement exam into MATH098 or higher.

1880 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. Please check your Canvas class site for more information. Classroom hours Monday-Thursday 9:00 a.m.-2:30 p.m. BIM classes end July 30.

BIM 183 Introduction to Microsoft Office: Access 1- 3

Lab Fee: \$27.00

Variable Credit Lab Fees are calculated at the highest rate

This course provides a brief introduction to Microsoft Access. It is intended for students not majoring in the Business Information Management Program

1885 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. Please check your Canvas class site for more information. Classroom hours Monday-Thursday 9:00 a.m.-2:30 p.m. BIM classes end July 30.

BIM 184 Introduction to Microsoft Office: PowerPoint 1- 3

Lab Fee: \$27.00

Variable Credit Lab Fees are calculated at the highest rate

This course provides an introduction to Microsoft PowerPoint. It is not intended for Business Information Management Program students. Prerequisite: Successful completion of MATH90 or BCC placement exam into MATH095 or higher.

1890 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. Please check your Canvas class site for more information. Classroom hours Monday-Thursday 9:00 a.m.-2:30 p.m. BIM classes end July 30.

BIM 210 Internet 1- 2

Lab Fee: \$18.00

Variable Credit Lab Fees are calculated at the highest rate

This course is an introduction to the Internet, web browsers, search engines, and search techniques.

1920 01H MTWTh ARR 1613 BERRY-GUERIN

You must have access to a computer with a good Internet connection as you will be expected to work outside of class. Attendance in Room 1613 is required for all testing. Please check your Canvas class site for more information. Classroom hours Monday-Thursday 9:00 a.m.-2:30 p.m. BIM classes end July 30.

Chemistry

CHEM&105 Chemical Concepts 5

This course is intended for non-science majors. The focus is on fundamental topics of chemistry such as; atoms and molecules, periodic table, organic chemistry, biochemistry, and radioactivity as they relate to current society. This class is intended to increase scientific literacy in non-science majors. This class can also provide some preparation for students with a limited chemistry background planning to continue on to CHEM& 121. Prerequisite: Passing grade in MATH 094 or placement in MATH 098. NS

1950 01 DAILY 08:00AM-09:40AM 1218 GROCE L

CHEM&121 Intro to Chemistry 5

Lab Fee: \$18.80

This course is designed for the allied health students. In addition, this class serves students wanting an introductory chemistry course prior to the full year CHEM& 161, 162, 163 sequence. Topics include basic chemical vocabulary, atomic structure, stoichiometry, periodic behavior of elements and compounds, gases, liquids, solids, solutions, water and equilibria. The course includes 22 hours of laboratory. Laboratory exercises are designed to reinforce classroom learning as well as providing hands on experience with chemical reactions. Relevance of course material to current practices in chemistry is a fundamental focus. Prerequisite: Passing grade in Math 098 or placement in Math 099. A passing grade in High School Chemistry or completion of CHEM& 105 is recommended.

1966 01 DAILY 10:15AM-12:15PM 1218 GROCE L

College Success Skills

CSS 100 College Survival Skills 3

CSS 100 helps students become more effective learners and achieve their goals at Big Bend. National studies show that students who take courses like CSS 100 are more likely to stay in college and graduate than students who do not. CSS 100 teaches students skills that research has identified as essential to college success. CSS 100 adds to or builds on the skills students already have as students debate the purpose of college, practice reading and studying techniques, engage in critical thinking, and explore the many resources Big Bend offers to help them succeed.

2018 01 MTW 08:00AM-09:45AM 1855A WORKMAN J

2020 OL1 ARR ARR DELEON J

Online fee is \$10.

Commercial Driver's License

CDL 100 Commercial Driver's License (CDL) 17

Lab Fee: \$2918.44

This course provides classroom study, driving instruction and experience. The course prepares students for the CDL driving examination and entry level employment. Prerequisite: Completed Commercial Driver's License (CDL) Program Application with supporting documents.

2072 01 DAILY 07:30AM-04:00PM 1534 GARZA G

Start & end date: 07/06/15 to 08/14/15

For application please contact Guillermo Garza at 793.2221 or Julia Gamboa at 793.2045.

Communications

CMST&220 Public Speaking 5

Provides an introduction to the fundamental process of speaking to the public. It is designed to help students develop skills in communication and to acquire an understanding of oral communication as a vital human relations factor in society. HU

2092 01 MTWTh 12:30PM-02:30PM 2032 POTH MITCH

Computer Science**CS 101 Intro to Computer Science 3**

Lab Fee: \$10.00

An introduction to computer science concepts and the role of computers in society. Topics include the history of computing, computer hardware, operating systems, the Internet, database management, an overview of programming languages, careers in computer technology, and the ethics of computing. This course is designed for Computer Science majors, and will emphasize principles and underlying computer technology concepts. Note: This course's learner outcomes align to the common IT course, IT 110: Introduction to Information Technology, and is accepted as a transfer course with participating Washington State community and technical colleges. Look for this notation if transferring to another IT program at a Washington State community or technical college.SE

2105 OL1 ARR ARR WANNER A

Online fee is \$10.

Criminal Justice**CJ& 101 Intro Criminal Justice 5**

Lab Fee: \$10.00

This course provides an overview of crime and the criminal justice system including the historical development of the system and a discussion of sociological theory. The course examines the extent and character of crime by examining current and past philosophies that our society uses to deal with crime and criminals. Emphasis is placed on how the various systems interrelate and interact to attain the goal of an orderly and non-discriminatory delivery of crime related public services. SS

2205 OL1 ARR ARR POPLAWSKI N

Section OL1: All course work for this class will be completed online through Canvas. Students need to have access to a reliable internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Fee is \$10

Early Childhood Education**ECED&180 Lang/Literacy Develop 3**

Lab Fee: \$10.00

Develop teaching strategies for language acquisition and literacy skill development at each developmental stage (birth-age 8) through the four interrelated areas of speaking, listening, writing, and reading.

2299 OL1 ARR ARR STAFF

(Formerly ECE 250). Students need to have access to a reliable computer and Internet connection as this course is delivered all online. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

English**ENGL 010 English Lab 0**

Community Ed Fee: \$44.10

Allows non-BBCC student access to tutors in the English Lab.

2500 01 DAILY ARR 1835 SHUTTLE' TH K

Permits a non-BBCC student use of a computer in the English Skills lab.

ENGL 065 Spelling Improvement 2

Lab Fee: \$7.60

With a self-paced approach, the student will practice commonly misspelled words that account for 97% of spelling errors by a combination of the whole-word method and learning the rules and exceptions of the English spelling system.

2502 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K

2504 02 MTWTh 12:30PM-01:35PM 1817 SHUTTLE' TH K

ENGL 087 Reading Improvement 3

Lab Fee: \$11.40

Reading improvement for adults with emphasis on increasing and improving vocabulary and comprehension to college level. Prerequisite: English placement exam.

2508 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K

2510 02 MTWTh 12:30PM-01:35PM 1817 SHUTTLE' TH K

ENGL 093 Basic Writing 3

Lab Fee: \$11.40

This class is designed for adult students who have little or no experience writing beyond elementary school. During the class, students will choose a topic and develop the main idea and its support thus gaining practice in proofreading, punctuation and using correct grammar to develop paragraphs. Prerequisite: placement exam.

2512 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K

2514 02 MTWTh 12:30PM-01:35PM 1817 SHUTTLE' TH K

ENGL 095 Writing Improvement 3

Lab Fee: \$11.40

Through individual writing experiences and the practice of assigned exercises, the student will develop a procedure for writing and revising papers using word processing. Students may submit papers written during the quarter to portfolio assessment of preparedness for ENGL& 101.

Prerequisite: ENGL 093 or placement.

2518 01 MTWTh 08:00AM-09:05AM 1817 SHUTTLE' TH K

2520 02 MTWTh 12:30PM-01:35PM 1817 SHUTTL'TH K

ENGL 099 English Skills (Pre-101) 5

Lab Fee: \$19.00

English 99 provides students a solid preparation for college reading and writing using word processing. Students write personal and academic essays and prepare a writing portfolio at the end of the quarter. The course includes the study of sentence sense and mechanics, grammar, punctuation, paragraph and essay structure as well as activities that improve reading and vocabulary. Prerequisite: Successful completion of English 98 or direct placement through the English Placement Test.

2532 01 MTWTh 10:15AM-12:15PM 1855B STAFF

ENGL&101 English Composition I 5

Lab Fee: \$19.00

This composition course provides instruction in academic written communication by having students compose formal essays, with the goal of teaching students to communicate effectively and engage with issues and ideas. Prerequisite: placement exam or passing grade in ENGL 099.

2548 01 MTWTh 08:00AM-10:00AM 1607 STODDARD C

2550 02 MTWTh 10:15AM-12:15PM 1607 STODDARD C

ENGL&102 Composition II 5

Lab Fee: \$10.00

This advanced composition course provides instruction in academic writing through literary analysis and increases students' exposure to literature. Prerequisite: Passing score in ENGL&101

2562 OL1 ARR ARR RAMM J

Environmental Science

ENVS&100 Survey of Environmental Science 5

Lab Fee: \$10.00

An introduction to the fundamental principles of environmental science, topics of study include: environmental, science, and information literacy, human population growth, environmental economics, ecosystems, population and community ecology, biodiversity, evolution and extinction, forests and grasslands, marine ecosystems, fisheries and aquaculture, freshwater resources and water pollution, solid waste, agriculture, coal and petroleum, air pollution and climate change, nuclear power, alternative energy sources, biofuels, urbanization, and sustainable communities. NS

2670 OL1 ARR ARR STAFF

First Aid

FAD 150 Industrial First Aid and C.P.R. Plus Bloodborne 2

Lab Fee: \$9.00

An advanced industrial first aid course and blood borne pathogen course designed to meet the Department of Labor and Industry, OSHA and WISHA requirements. Intended for supervisory personnel, employees, pre-nursing, Pre-Emergency Medical Technicians, and those interested in having first aid and C.P.R. training. This course is recognized in the U.S. and several foreign countries by federal and state agencies and company employers.

2680 01 F 09:00AM-05:00PM BENKO A

Books are required. Class meets July 10, 17, 24.

French

FRCH&121 French I 5

Beginning French language and culture taught using a communicative approach. Through the use of drama and themes, this course focuses on listening, speaking, reading and writing skills and the culture of the French-speaking world. HU

2700 01 MTWTh 08:00AM-10:00AM 1604 MCCARTHY J

FRCH&122 French II 5

Beginning French language and culture taught using a communicative approach. Through the use of drama and themes, this course focuses on listening, speaking, reading and writing skills and the culture of the French-speaking world. Prerequisite: FRCH& 121 HU

2705 01 MTWTh 08:00AM-10:00AM 1604 MCCARTHY J

FRCH&123 French III 5

Beginning French language and culture taught using a communicative approach. Through the use of drama and themes, this course focuses on listening, speaking, reading and writing skills and the culture of the French-speaking world. Prerequisite: FRCH& 122 HU

2710 01 MTWTh 08:00AM-10:00AM 1604 MCCARTHY J

Health Education

HED 151 Medical Terminology II 3

Lab Fee: \$10.00

This is the second of a two part course to prepare students to correctly use medical vocabulary. Prerequisite: HED 150

2842 21H ARR ARR 1717 DE HOOG J

Students need to have access to a reliable computer and Internet connection as this is a hybrid (online and face-to-face) course. Mandatory orientation July 1 at 6:00 p.m. in room 1717; final exam August 11 at 2:00 p.m. in room 1802.

History

HIST&136 US History 1 5

Lab Fee: \$10.00

From the Reformation in Europe to the end of the Civil War, this course includes colonization, the introduction of slavery, the Revolutionary and Early National Period, the development of political parties, nationalism and sectionalism, and the Civil War. Prerequisites: Placement in ENGL& 101 or completion of ENGL 099. SS

2931 OL1 ARR ARR RILEY C

Section OL1: All course work for this class will be completed online through Canvas. Students need to have access to a reliable internet connection. Check your Big Bend email the week before classes for further course instructions. Fee is \$10

HIST&137 US History 2 5

Lab Fee: \$10.00

From the end of the Civil War to present day, this course examines Reconstruction, the Gilded Age, America's rise to a world power, World War I, the triumph of Modernism, the Depression and New Deal, World War II, the Cold War, the turbulent 1960s, disillusioned '70s and the Reagan Revolution. More recent events are examined as ongoing and current events. Prerequisites: Placement in ENGL& 101 or completion of ENGL 099. Prior completion of HIST& 136: United States History I, is not required in order to take this class. SS

2935 OL1 ARR ARR RILEY C

Section OL1: All course work for this class will be completed online through Canvas. Students need to have access to a reliable internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Fee is \$10

Math

MATH 094 Introduction to Algebra 5

Lab Fee: \$19.00

This course includes the study of basic arithmetic and algebraic concepts and operations including operations with integers, fractions, decimals and percents; order of operations, measurement, the metric system, algebraic expressions, formulas and simple linear equations (formerly MCP 090, Math 090) Prerequisite: Appropriate placement on the BBCC math placement exam

3248 CL1 DAILY 08:00AM-09:40AM 1215 SHERWOOD M

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3250 CL2 DAILY 10:15AM-11:55AM 1215 SHERWOOD M

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

MATH 097 Elementary Algebra II 5

Lab Fee: \$19.00

This course includes the study of basic and intermediate algebraic operations and concepts, and the structure and use of algebra. This includes factoring algebraic

expressions, working with rational expressions, systems of equations and applications.
 PREREQUISITE(S): one of the following: BBCC math placement exam or successful completion of at least five units in MATH 096 or successful completion of MPC/MATH 095 (will start after Proficiency Exam #2)

3278 CL1 DAILY 08:00AM-09:40AM 1215 SHERWOOD M

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3280 CL2 DAILY 10:15AM-11:55AM 1215 SHERWOOD M

MATH 098 Intermediate Algebra I 5

Lab Fee: \$19.00

This course includes the study of intermediate algebraic operations and concepts, and the structure and use of algebra. This includes solving, graphing, and solving applications of linear equations and systems of equations; simplifying, factoring, and solving quadratic functions, introduction to functions and models; and exponential and logarithmic functions along with applications. (formerly Math 095, 096) Prerequisite: MATH 094 or placement.

3288 CL1 DAILY 08:00AM-09:40AM 1215 SHERWOOD M

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3290 CL2 DAILY 10:15AM-11:55AM 1215 SHERWOOD M

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

MATH 099 Intermediate Algebra II 5

Lab Fee: \$19.00

This course is designed to prepare students for precalculus and finite math. It includes the study of inequalities, applications of systems, rational expressions, functions, radicals, rational exponents, radical equations, complex numbers, quadratic equations and their application. (formerly Math 098) Prerequisite: Math 098 or placement.

3378 CL1 DAILY 08:00AM-09:40AM 1215 SHERWOOD M

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

3379 CL2 DAILY 10:15AM-11:55AM 1215 SHERWOOD M

Course will be taught in the computer lab using the inverted instruction model, watching videos and completing homework assignments on the computer. These are NOT online sections, although it is suggested you have Internet access outside of class.

MATH&107 Math in Society 5

Lab Fee: \$10.00

This course will introduce the non-math/science major to mathematical applications in a variety of disciplines. Prerequisite: Appropriate scores in the BCC Mathematics Assessment or successful completion of MATH 098 or placement into MATH 099/107/146.SQR

3301 OL1 ARR ARR ABED S

Students view class lectures and submit assignments online; exams are taken on campus. Online fee is \$10.

MATH&141 Precalculus I 5

Lab Fee: \$19.00

This course will present the following concepts: college level algebra, introduction to functions and graphing, the graphs and properties of polynomial, rational, radical, exponential and logarithmic functions. Prerequisites: MATH 099 MS/SQR

3316 01 DAILY 08:00AM-09:40AM 1252 ABED S

MATH&142 Precalculus II 5

Lab Fee: \$19.00

In preparation for calculus this is a comprehensive study of trigonometry, circular functions, right triangle trigonometry, analytical trigonometry. Sequences, series and induction are also covered. Prerequisite: MATH &141 MS/SQR

3320 01 DAILY 08:00AM-09:40AM 1219 LANE S

MATH&146 Introduction to Statistics 5

Lab Fee: \$19.00

This course is an introduction to descriptive statistics, probability and its applications, statistical inference and hypothesis testing, predictive statistics and linear regression. Prerequisite: Appropriate scores in the BCC Mathematics Assessment or successful completion of MATH 098 or placement into MATH 099/107/146. SQR

3332 01 DAILY 10:15AM-11:55AM 1252 ABED S

Math (Applied)

MAP 108 Applied Mathematics (MA) 3

This class provides review and instruction in whole numbers, fractions, ratios, decimals, proportions, percents, measurement and metrics, word problems (fractions, decimals, percentages) tables and graphs as they relate to employment as a Medical Assistant. Prerequisite: Successful completion of MATH080 or BCC Math Assessment placement into Math 090 or above.

3415 21 MTW 10:15AM-12:15PM 1722 BAUER J

Start & end date: 07/01/15 to 07/31/15

Final exam will be held on July 31.

Medical Assistant

MA 195 Externship/Practicum for the Medical Assistant 6

Lab Fee: \$2.50

The course will focus students on real life work in a medical office assisting physicians and office personnel by performing assigned duties in both administrative and clinical procedures. The work experience is supported by instructor site visits and classroom seminars where students and faculty can review on-the-job experiences. Prerequisites: MA 113, MA 150; Co-requisite MA 197.

3580 01 ARR ARR OHS K

MA 197 Externship/Practicum Seminar 1

This class enhances students' abilities and work based learning at the externship site. Students will review important topics by applying the concepts acquired in the clinical area. Students will share information, procedures and experiences in different medical settings with other students. Visitations to other medical facilities will be a component of this course. Prerequisite: MA 113, MA 150 Corequisite: MA 195

3585 01 ARR ARR 1722 OHS K

Mandatory orientation June 25 from 9:00 a.m. to 3:00 p.m. in room 1722.

Nursing**NUR 100 Nursing Assistant 9**

Lab Fee: \$209.41

This course prepares students to take the Nursing Assistant examination as outlined by Federal and State guidelines. Training will include classroom, skills lab, and clinical experience. Prerequisites: Read, write, speak and understand English at the level necessary for performing duties of the nursing assistant. (Placement in English 99 or above)

3800 01 TWThF 08:00AM-02:30PM 1721 ERWIN K

**** ARR 06:00AM-02:00PM 1721 ERWIN K

The NAC lab fee includes: malpractice and liability insurance, drug testing, CPR certification, and registration for one state NAC test. Clinicals meets July 17, 23, 24, 30, 31, August 6 and 7 from 6:00 a.m.-2:00 p.m. For more information email kathye@bigbend.edu.

NUR 103 HIV/AIDS Education 1

Lab Fee: \$10.00

An HIV/AIDS education course designed to meet the Washington State mandatory requirements for health care and childcare providers. Successful completion includes HIV/AIDS education certification.

3808 01H ARR ARR BRAVO A

Class orientation and assignments are accessed online via Canvas. Mandatory in class final on July 31 at 10:00 a.m. in room 1802. Online fee is \$10.

NUR 140 PN Completion/Transition 4

Theoretical nursing knowledge focuses on selected health conditions pertinent to medical and surgical patients. Includes legal and professional considerations and is the completion course for students transitioning into the Practical Nurse Setting. Transition course for Licensed PNs entering the ADN program and is optional for other ADN students. Prerequisites: PSYC& 100 with a 2.0 G.P.A. or current LPN licensure and permission of program director.

3865 01 M 09:00AM-03:50PM 1718 BROOKS J

NUR 141 PN Completion/Transition Practicum 8

Lab Fee: \$2.50

Practical application in the clinical setting of nursing theory and skills taught in previous nursing courses and introduced in NUR 140. Practicum focuses on nursing care to a variety of medical, surgical, and psychiatric patients. Prerequisites: PSYC& 100 with a 2.0 G.P.A. or current LPN licensure and permission of program director.

3868 01 ARR ARR BROOKS J

3869 02 ARR ARR BRAVO A

3870 03 ARR ARR STAFF

Nutrition

NUTR&101 Nutrition 5

This introductory course in nutrition will focus on current ideas in nutrition and areas of research. This class will present information on the chemistry and the biological function of nutrients in the body. Diseases associated with an excess or deficit in nutrients will also be explored. Students will acquire a better understanding of some impacts of food choices on a personal level. Prerequisite: Completion of ENGL 099 or placement in ENGL& 101. NS

3980 01 DAILY 08:00AM-09:40AM 1611 STAFF

3982 OL1 ARR ARR HALEY G

Students listen to mini lectures of course material, participate in class discussions, & submit assignments & quizzes online. Major tests are completed & submitted online, but are proctored at the BCC Testing Center or an approved alternate location. Fee is \$10.

Philosophy

PHIL&120 Symbolic Logic 5

This course is a study of the methods and principles used to distinguish correct from incorrect reasoning. Students are expected to prove their understanding of formal deductive symbolic logic by completing logic proofs in categorical, propositional, and predicate logic. Prerequisites: Math 098 or above. HU/SQR

4215 01 MTWTh 08:00AM-10:00AM 1609 KNEPP D

4217 OL1 ARR ARR CAREY B

(Formerly PHIL& 106) Online fee is \$10.

PHIL 210 Ethics 5

Lab Fee: \$10.00

An introduction to ethical theories and some contemporary moral problems such as abortion, euthanasia, war, and capital punishment. Topics vary. HU

4225 OL1 ARR ARR KNEPP D

Physical Education**PEH 090 Recreational Gym 0**

Community Ed Fee: \$28.90

This activity permits the use of BBCC Gym facilities during available hours by individuals who are not students registered at BBCC. Must be 18 years of age to enroll in recreational gym. Community service class.

4302 21 ARR ARR 2014 DE HOOG M

PEH 100 Lifetime Wellness 3

Lifetime Wellness is designed to promote the student's understanding of their physical, emotional, and social health needs, and to develop strategies to meet these needs and improve overall health and well-being. SE

4312 01 MTW 10:15AM-11:45AM 1611 STAFF

PEH 155 Body Toning 1

This course involves special exercise and calisthenics which enhance total fitness, figure improvement, body toning, weight control, and posture. Students will use balance/fitness balls and light to medium dumbbells to improve overall core strength and balance of the body. May be repeated for up to three (3) credits. AC

4392 26 ARR ARR GRAHAM M

Section 26 will be taught at Jazzercise, 824 W 3rd Ave, Moses Lake. Students enrolling in this section will pay Jazzercise for sessions. Contact Mary Graham at 765.4581 for enrollment information. AC

Political Science**POLS&202 American Government 5**

Lab Fee: \$10.00

From the constitutional convention in Philadelphia (1788) to the most recent presidential elections, this course explores American politics and governmental functions. The focus is on the interaction and structure of the executive, legislative, and judicial branches of the national government, and a survey of the philosophic foundations for the American governmental system. SS

4502 OL1 ARR ARR RILEY C

All course work for this class will be completed online through Canvas. Students need to have access to a reliable internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

Psychology**PSYC&100 General Psychology 5**

Lab Fee: \$10.00

A broad survey course designed to study human behavior with reference to biology, learning, motivation, emotion, perception, intelligence, human development, mental processes, personality, abnormal behavior, and research. SS

4552 01H TTh 12:30PM-02:15PM 1611 LEONARD R

Section 01H incorporates traditional class time and a distance education component. Students in this class will need reliable access to the internet for lectures and assignments. Attend the first day of scheduled class for more information. Online fee is \$10.

4554 OL1 ARR ARR LEONARD R

All course work for this class will be completed online through Canvas. Students need to have access to a reliable internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

4555 OL2 ARR ARR LEONARD R

All course work for this class will be completed online through Canvas. Students need to have access to a reliable internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

PSYC&200 Lifespan Psychology 5

Lab Fee: \$10.00

This course examines the physical, intellectual, emotional, and social growth and development that occurs throughout the human lifespan. Prerequisite: PSYC& 100. SS

4578 OL1 ARR ARR HOLLIWAY D

All course work for this class will be completed online through Canvas. Students need to have access to a reliable internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

Religious Studies**REL 201 World Religions 5**

Lab Fee: \$10.00

A survey of the origin, development and present beliefs and practices of the world's major religions: Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam. HU

4606 OL1 ARR ARR KNEPP D

Online fee is \$10.

Sociology**SOC& 101 Intro to Sociology 5**

Lab Fee: \$10.00

Sociology is the scientific study of human groups and their social systems. Sociologists study how groups are organized and structured, their character and interaction, how groups change, and their impact on individuals. The course focuses on applying the "sociological imagination" which in turn helps students understand and appreciate different societies and cultures both contemporary and historical.

Prerequisites: There are no prerequisites. Strongly recommended placement in MATH 095 or higher and placement in English 099 or higher. SS

4644 OL1 ARR ARR HOLLIWAY D

All course work for this class will be completed online through Canvas. Students need to have access to a reliable internet connection. Check your Big Bend email the week before classes for log-in information and further course instructions. Online fee is \$10.

Welding**WLD 111 Welding Process I 3- 6**

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

An introduction to the Shielded Metal Arc Welding process. Students will perform beads, fillets and Plate tests in all position with E6010 and E7018 Electrodes. Students must complete all 6 credits of WLD 111 prior to enrolling in WLD 121.

4846 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

WLD 112 Thermal Cutting and Welding 3

Lab Fee: \$31.50

Various techniques of steel cutting with oxy-fuel, air carbon arc, plasma arc processes and oxy-acetylene welding and brazing with various metals.

4860 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

WLD 121 Welding Process II 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

An introduction to welding open root joints. Students use E6010 to complete open root corner joints out of position and open root plate tests out of position. Students must complete all 6 credits of WLD 121 prior to enrolling in WLD 131. Prerequisite: 6 credits of WLD 111.

4884 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

WLD 122 Gas Metal Arc Welding I 3

Lab Fee: \$31.50

Students will learn to apply the Gas Metal Arc Welding (MIG) process on steel in all positions using the short circuit transfer mode and the spray transfer mode in the flat and horizontal positions. Prerequisite: WLD 112.

4902 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

WLD 131 Welding Process III 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Using E-7018 electrodes, weld corner joints, bevel plates in all positions and ASME and WABO performance certification tests. These three credit courses may be repeated for credit up to six credits. Prerequisite: 6 credits of WLD 121

4924 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

WLD 132 Gas Tungsten Arc Welding I (TIG) 3

Lab Fee: \$31.50

Students will learn to apply the Gas Tungsten Arc Welding (TIG) process on steel and aluminum. short circuit transfer mode . Prerequisite: WLD 122

4942 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

WLD 190 Skill Improvement 1- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Extra welding time and instruction to enhance student's welding skills and/or update their qualification for testing. This is an open enrollment course offered throughout each quarter. May be repeated for credit; graded on pass-fail basis. Prerequisite: instructor approval.

4986 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

WLD 212 Gas Metal Arc Welding II 3

Lab Fee: \$31.50

Students will learn to apply both types of Flux core arc welding process on steel and perform Gas Metal Arc Welding on aluminum and stainless steel. Prerequisite: WLD 132

5032 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

WLD 241 Structural Weld Process I 6

Lab Fee: \$63.00

This course focuses on student learning of structural connection mockups applying the Shielded Metal Arc and Flux Cored Arc Welding processes. Prerequisite: WLD 131 or instructor approval.

5044 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

WLD 242 Structural Welding I 3

Lab Fee: \$31.50

An introductory course focusing on fabrication of structural weldments utilizing shielded metal arc welding and flux cored arc welding on structural connections.
Prerequisite: WLD 212

5054 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

WLD 243 Structural Weld Process II 6

Lab Fee: \$63.00

A structural welding course focusing on student application of Shielded Metal and Flux Cored Arc Welding processes on large outdoor structural weldments in accordance with drawings. Prerequisite: WLD 241 or instructor approval.

5064 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

WLD 244 Submerged Arc Welding 3

Lab Fee: \$31.50

This course focuses on student learning of submerged arc welding process which entails an arc that takes place beneath a bed of granular flux. This is a high deposition industrial orientated welding process that is used to manufacture light to heavy weldments. Prerequisite: WLD 242 or instructor permission.

5074 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

WLD 245 Structural Weld Process III 6

Lab Fee: \$63.00

A structural welding course focusing on student application of Shielded Metal and Flux Cored Arc Welding processes on large outdoor structural weldments in accordance with drawings. Prerequisite: WLD 241 or instructor approval.

5084 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

WLD 261 Production Weld Process I 6

Lab Fee: \$63.00

An introductory course focusing on student learning of production welding techniques by applying the Gas Metal Arc, Flux Cored Arc, and Gas Tungsten Arc Welding processes. Prerequisite: WLD 131 or instructor approval.

5100 01 MTWTh 07:00AM-12:00PM 3404 MCDANIEL S

WLD 262 Production Welding I 3

Lab Fee: \$31.50

This course focuses on student learning of production welding within a shop setting.
Prerequisite: WLD 212 or instructor permission

5110 01 ARR 07:00AM-12:00PM 3403 MCDANIEL S

WLD 263 Production Weld Process II 6

Lab Fee: \$63.00

An intermediate course that focuses on student learning of production welding techniques by applying the Gas Metal Arc, Flux Cored Arc, and Gas Tungsten Arc Welding processes on large parts in accordance with drawings. Prerequisite: WLD 261 or instructor approval.

5120 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

WLD 264 Advanced Weld Process 3

Lab Fee: \$31.50

An advanced course focusing on student learning of welding processes such as pulsed gas metal arc, pulsed gas tungsten arc, and welding on advanced materials i.e., titanium and inconel. Prerequisite: WLD 262 or instructors permission.

5130 01 ARR 07:00AM-12:00PM 3404 MCDANIEL S

WLD 265 Production Weld Process III 6

Lab Fee: \$63.00

An advanced production welding course focusing on application of Gas Metal Arc, Flux Cored Arc, and Gas Tungsten Arc Welding processes on small parts in accordance with drawings. Parts will be welded in student manufactured fixtures. Prerequisite: WLD 263 or instructor approval.

5140 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S

WLD 281 Pipe Welding I 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Students will be introduced to pipe welding 1G, 2G, 5G, and 6G positions using E-6010 electrodes with schedule 60, 80, 100, 120 and various size pipes. These three credit courses may be repeated for credit up to six credits. Prerequisite: WLD 131

5156 01 MTWTh 07:00AM-12:00PM 3404 MCDANIEL S

WLD 282 Gas Tungsten Arc Welding II (TIG) 3

Lab Fee: \$31.50

This course introduces students to carbon steel pipe welding in the 1G, 2G, 5G, and 6G positions using cup walk methods with 1/8" electrodes on various sizes of pipes. Prerequisite: WLD 212 or instructors permission.

5164 01 ARR 07:00AM-12:00PM 3404 MCDANIEL S

WLD 283 Pipe Welding II 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Students will enhance carbon steel pipe welding in 1G, 2G, 5G, and 6G positions using E-6010 and E-7018 electrodes with schedule 60, 80, 100 and 120 pipes and various other sizes of pipes. These three credit courses may be repeated for credit up to six credits. Prerequisite: WLD 281

5174 01 MTWTh 07:00AM-12:00PM 3404 MCDANIEL S

WLD 284 Gas Tungsten Arc Welding (TIG) III 3

Lab Fee: \$31.50

Students will gain advanced skills on carbon steel pipe in the 2G, 5G, 6G positions, carbon steel pipe with stainless steel rods, and stainless steel pipe in the 2G, 5G, and 6G positions. Prerequisite: WLD 282 or instructors permission

5184 01 ARR 07:00AM-12:00PM 3404 MCDANIEL S

WLD 285 Pipe Welding III 3- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

This course focuses on pipe welding 1G, 2G, 5G, and 6G positions using E-6010 and E-7018 rods and a combination of G.T.A.W and S.M.A.W. process with schedule 40, 60, 80, 100, 120 and various other sizes of pipes. Prerequisite: WLD 283

5194 01 MTWTh 07:00AM-12:00PM 3404 MCDANIEL S

WLD 290 Skill Improvement II 1- 6

Lab Fee: \$63.00

Variable Credit Lab Fees are calculated at the highest rate

Extra welding time and instruction to enhance student's welding skills and/or update their qualification for testing. This is an open enrollment course offered throughout each quarter. May be repeated for credit; graded on pass-fail basis. Prerequisite: instructor approval.

5206 01 MTWTh 07:00AM-12:00PM 3403 MCDANIEL S